

CLAIMS

What is claimed:

1 1. A method of validating data submitted to a database application
2 comprising the steps of:
3 receiving data input in response to a query presented to a user;
4 comparing said data with a predetermined validation criteria; and
5 adding a criteria exception rule to an exception set class where said data fails
6 to meet said predetermined validation criteria, said exception identifies a data field of
7 said data input which does not meet said validation criteria.

1 2. The method of claim 1, further including the steps of comparing said
2 data to a validation rule and adding an exception rule to said exception set class.

1 3. The method of claim 2, further comprising the step of presenting said
2 exception set class to a user for review.

1 4. The method of claim 3, further comprising the steps of accepting a
2 corrected data input from said user, comparing said corrected data input with said
3 predetermined validation criteria, comparing said corrected data input with said
4 validation rule, adding said criteria exception when said corrected data input fails to
5 compare with said predetermined validation criteria, and adding said rule exception
6 when said corrected data input fails to compare with said validation rule.

1 5. The method of claim 1, wherein said data input is received from a
2 client-side application.

1 6. The method of claim 1, wherein said exception set class comprises a
2 data object.

1 7. The method of claim 6, wherein said data object comprises an
2 exception set.

1 8. The method of claim 7, wherein said exception set comprises a
2 plurality of exceptions.

1 9. The method of claim 1, wherein said data input comprises a data field.

1 10. The method of claim 9, wherein said data field is associated with a
2 throwable object where said data field cannot be validated.

1 11. The method of claim 10, wherein said throwable object comprises an
2 exception.

1 12. The method of claim 1, wherein said data input comprises a plurality
2 of data fields.

1 13. The method of claim 12, wherein said exception set specifies a
2 plurality of data fields which cannot be validated.

1 14. The method of claim 1, further comprising the step of causing a
2 question to be re-presented to a user in accordance with said exception set.

1 15. The method of claim 14, wherein said exception set is output to said
2 client-side application when all of said data input has been reviewed.

1 16. A system for validating data input comprising:
2 a database server comprising a database residing in a memory, said database
3 for storing a plurality of input data;
4 an interface for receiving input data representing a user response to a
5 presented question; and
6 a controller for causing said input data to be validated in accordance with a
7 predetermined validation routine, and adding an exception to an exception set class
8 each time said data input fails to meet predetermined criteria for validation.

1 17. A system for validating data input according to claim 16, wherein said
2 controller further causes said exception set to be output to a client-side application.

1 18. A system according to claim 17, wherein said client-side application is
2 run on a client-side terminal.

1 19. A system for validating data input according to claim 16, wherein said
2 interface comprises a network interface.

1 20. A system for validating data input according to claim 16, wherein said
2 network interface comprises a wireless network interface.

1 21. A system according to claim 19, wherein said network comprises a
2 local area network.

1 22. A system according to claim 19, wherein said network comprises the
2 Internet.

1 23. A system according to claim 18, wherein said client-side terminal
2 comprises a wireless access protocol (WAP) compliant device.

1 24. A system according to claim 16, wherein said client-side terminal
2 comprises a personal digital assistant (PDA).

1 25. A system according to claim 17, wherein said client-side terminal
2 comprises a display device; and
3 controller for re-presenting a data entry form to said user via said display
4 device in accordance with an exception set record generated by a database server.

1 26. A system for validating data input comprising:
 2 a storage memory for storing a plurality of instructions and a plurality of input
 3 data;
 4 a controller for operating on said plurality of input data in accordance with
 5 said at least one instruction stored on said storage memory;
 6 wherein said plurality of instructions further includes;
 7 at least one receiving instruction stored on said storage memory for receiving
 8 said plurality of input data submitted in response to a query presented to a user;
 9 at least one validating instruction stored on said storage memory for validating
 10 said input data; and
 11 at least one exception instruction stored on said storage memory for adding an
 12 exception to an exception set class where one of said input data is invalid, said
 13 exception identifies a data field of said one input data which is invalid.

1 27. A system for validating data input, comprising:
 2 client-side terminal for presenting a data entry form to a user; and
 3 database server for receiving a data entry record from said client-side terminal
 4 and incorporating it into database where certain pre-determined validation criteria are
 5 met.